

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

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PCT/EP 0 3 / 0 2 5 3 8
International Application No.

12. 03. 2003

1 2 MAR 2003

International Filing Date

EURÓPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION
Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference

<u> </u>	(if desired) (12 characte	ers maximum) 4023PTWO/fe	
Box No. I TITLE OF INVENTION ESTER DERIVATIVES OF HYALURONIC ACI	ID FOR THE PREP	ARATION OF HYDROGEL	
Box No. II APPLICANT This pers	on is also inventor		
Name and address: (Family name followed by given name; for a legal er The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside	f the address indicated in this	Telephone No.	
FIDIA ADVANCED BIOPOLYMERS S.R.L.	·	Facsimile No.	
Via Ponte della Fabbrica, 3/A 35031 Abano Terme - Italy	Teleprinter No.		
•		Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant for the purposes of: all designated States all designated the United-	ted States except -States of America	the United States of America only the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FUR	THER) INVENTOR(S)	·	
Name and address: (Family name followed by given name; for a legal enter the address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside BELLINI Davide Via Po, 34 35036 Montegrotto Terme - Italy	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
, and the second		Applicant's registration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:	
This person is applicant all designated for the purposes of:	ted States except States of America	the United States of America only the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated	on a continuation sheet.		
Box No. IV AGENT OR COMMON REPRESENTATIV	E; OR ADDRESS FOR	CORRESPONDENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	t on behalf es as:	agent common representative	
Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of	ntity, full official designation. country.)	Telephone No. +39 02541799.1	
GERVASI Gemma NOTARBARTOLO & GERVASI S.p.A.	Facsimile No. +39 0254179920		
Corso di Porta Vittoria 9 20122 MILAN - ITALY	Teleprinter No.		
20122 WILAN - 11AL 1		Agent's registration No. with the Office	
Address for correspondence: Mark this check-box when space above is used instead to indicate a special address to	re no agent or common rep o which correspondence s	presentative is/has been appointed and the should be sent.	

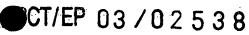
Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which Continuation of Box No. 1 a special continuation box is provided, the space is insufficient to furnishall the information: in such case, write "Continuation of Box No...." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Box No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the (iii) inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

"MATERIALS FOR USE IN THE BIOMEDICAL, SANITARY AND SURGICAL FIELD, AND AS DRUG RELEASE SYSTEMS"

Sheet No. ...3.



							
Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.							
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) ZANELLATO Anna Maria Piazza Matteotti, 13	This person is: applicant only applicant and inventor inventor only (If this check-box						
35024 Bovolenta - Italy	Applicant's registration No. with the Office						
State (that is, country) of nationality: State (that is, country) State (that is, country)	y of residence:						
This person is applicant for the purposes of: all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box						
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box						
	is marked, do not fill in below.) Applicant's registration No. with the Office						
State (that is, country) of nationality: State (that is, country)) of residence:						
This person is applicant all designated all designated States except for the purposes of:	the United States of America only the States indicated in the Supplemental Box						
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-bax is marked, do not fill in below.)						
	Applicant's registration No. with the Office						
State (that is, country) of nationality: State (that is, country)	of residence:						
This person is applicant for the purposes of: all designated all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box						
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office						
State (that is, country) of nationality: State (that is, country)) of residence:						
This person is applicant for the purposes of: all designated States except the United States of America	the United States of America only the States indicated in the Supplemental Box						
Further applicants and/or (further) inventors are indicated on another continuation	ı sheet.						

Sheet No. ...4... Mark the applicable check-boxes below, at least one must be marked. Box No. V DESIGNATION OF STATES The following designations are hereby made under Rule 4.9(a): Regional Patent AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT 🔀 OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind National Patent (if other kind of protection or treatment desired, specify on dotted line): AG Antigua and Barbuda AM Armenia ID Indonesia PL Poland..... BA Bosnia and Herzegovina 🔀 JP Japan SE Sweden

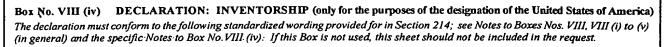
-		Beiming			_		.
X	BZ	Belize	X	KR Republic of Korea	X	SK	Slovakia
X	CA	Canada	X	KZ Kazakhstan	X	SL	Sierra Leone
X	СН	& LI Switzerland and Liechtenstein	X	LC Saint Lucia	X	TJ	Tajikistan
		China			X	TM	Turkmenistan
		Colombia		LR Liberia	X	TN	Tunisia
100	CR	Costa Rica	M	LS Lesotho	X	TR	Turkey
		Cuba					Trinidad and Tobago
	CZ	Czech Republic	X	LU Luxembourg			
	DE	Germany	X	LV Latvia			United Republic of Tanzania
	DK	Denmark	X	MA Morocco			
		Dominica		MD Republic of Moldova			
		Algeria	_				
	DZ.	Fander	121	MG Madagascar			
				MK The former Yugoslav Republic of			Uzbekistan
				Macedonia			
		Spain					Viet Nam
		Finland		MN Mongolia			
		United Kingdom		MWMalawi			
X	GD	Grenada		MX Mexico			
				MZ Mozambique	X	ZM	I Zambia
X	l GH	Ghana	X	NO Norway	X	ZV	Zimbabwe
C	heck-	boxes below reserved for designating	Sta	tes which have become party to the PCT	afte	r issı	uance of this sheet:
	NI	Nicaraqua				١	
	, 1		$\overline{\Box}$			1	
							
Pi	recau	tionary Designation Statement: In	ado	lition to the designations made above, the	e ap	plica	ant also makes under Rule 4.9(b) all
ot	her d	esignations which would be permitted	d ur	nder the PCT except any designation(s) i	ndi	cated	in the Supplemental Box as being

excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sł	neet	No.		.5	

Box No. VI PRIORITY CLAIM							
The priority of the following earlier application(s) is hereby claimed:							
Filing date	Number	Where earlier application is:					
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office			
item (1) 12 March 2002 (12 03 2002)	PD2002A000064	Italy					
item (2)	·						
item (3)	. e						
item (4)							
item (5)				· · · · · · · · · · · · · · · · · · ·			
Further priority claims a	are indicated in the Suppleme	ental Box.					
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:							
all items item (item (3) item		Supplemental Box			
* Where the earlier application Industrial Property or one Me	on is an ARIPO application, in ember of the World Trade Or	ndicate at least one country ganization for which that e	party to the Paris Conve earlier application was fil	ntion for the Protection of ed (Rule 4.10(b)(ii)):			
Box No. VII INTERNATIONAL SEARCHING AUTHORITY							
Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):							
ISA /	· · · · · · · · · · · · · · · · · · ·						
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):							
Date (day/month/year)	Numb	eer Coun	try (or regional Office)				
Box No. VIII DECLARAT	TIONS						
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable Number of check-boxes below and indicate in the right column the number of each type of declaration): declarations							
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:			
Box No. VIII (ii)		Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :					
Box No. VIII (iii)	Declaration as to the appli date, to claim the priority		he international filing	:			
Box No. VIII (iv)	(iv) Declaration of inventorship (only for the purposes of the designation of the United States of America) : 1						
Box No. VIII (v)	Declaration as to non-preju	idicial disclosures or exce	ptions to lack of novelty	:			

Sheet No. 6:



Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed. Prior Applications: Italy Appln. No. PD2002A000064 of 12 March 2002
I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: Davide BELLINI
Residence: Via Po, 34. 35036 MONTECROTTO TERME, Padova, Italy (city and either US state, if applicable, or country) Via Ponte della Fabbrica, 3/A – 35031 ABANO TERME, Padova, Italy Mailing Address:
Inventor's Signature: Date: March 4th, 2003 (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: March 4th, 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Anna Maria ZANELLATO
Name:
Residence: Piazza Matteotti, 13 - 35024 BOVOLENTA, Padova, Italy (city and either US state, if applicable, or country)
Mailing Address: . Via. Ponte della Fabbrica, . 3/A35031. Abano . Terme, Padova, . Italy
Citizenship: Italian. Inventor's Signature: hull located by the international application. The signature must be that of the inventor, not that of the agent) Date: March 4th, 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

7.6	Sheet No	
Box No. IX CHECK LIST; LANGUAC	GE OF FILING	
This international application contains: (a) in paper form, the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items
sheets:	1. fee calculation sheet	:
request (including declaration sheets)	7 2. 🛣 original separate power of attorney	: 2
description (excluding	3. original general power of attorney	:
sequence listings and/or tables related thereto) : 1		_
Claims	if any:	
400440	C D mission decomposition in Day No. VI as	•
	item(s):	:
Sub-total number of sheets: 3 sequence listings:	7. translation of international application into (language):	:
tables related thereto : (for both, actual number of	8. separate indications concerning deposited microorganism or other biological material	:
sheets if filed in paper form, whether or not also filed in	9. sequence listings in computer readable form (indicate type and number of carriers)	
computer readable form; see (c) below)	(i) copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application	n):
Total number of sheets : 3 (b) only in computer readable form	2 (ii) (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	
(Section 801(a)(i)) (i) ☐ sequence listings	(iii) together with relevant statement as to the identity of the copy of copies with the sequence listings mentioned in left column)r :
(ii) ☐ tables related thereto(c) ☐ also in computer readable form	10. tables in computer readable form related to sequence listings (indicate type and number of carriers)	
(Section 801(a)(ii))	(i) copy submitted for the purposes of international search under	
(i) ☐ sequence listings(ii) ☐ tables related thereto	Section 802(b-quater) only (and not as part of the internationa application)	1 :
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(ii) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the	· ·
contained the sequence listings:	purposes of international search under Section 802(b-quater) (iii) together with relevant statement as to the identity of the copy of	: or
tables related thereto:	copies with the tables mentioned in left column	:
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11. 🖍 other (specify): Accompanying Letter	:
Figure of the drawings which should accompany the abstract:	Language of filing of the international application:	
BOX NO. Y. SIGNATURE OF APPLIC	ANT, AGENT OR COMMON REPRESENTATIVE	46
Next to each signature, indicate the name of the person	n signing and the capacity in which the person signs (if such capacity is not obvious from reading	the request)
Milan, Italy 11 March 2003	GERVASI Gemma	
which, hary	James The Committee of	
	For receiving Office use only	
Date of actual receipt of the purported international application:	(1 2 MAD 2002) 2. Draw	ings:
memational appreation.	1 2, 113 114	eived:
 Corrected date of actual receipt due to la timely received papers or drawings comp the purported international application: 	ter but oleting	•
	not	received:
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority	6. Transmittal of search copy delayed	
(if two or more are competent): ISA	/ until search fee is paid	
	For International Bureau use only	
Date of receipt of the record copy by the International Bureau:		
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